

P610886/PCT

Replacement Page 8

Patent Claims

1. A waveguide filter formed from a substrate (S),
5 which is coated on the upper face with a
structured metallic layer (TM) and has one or more
lines (ML1, ML2) for carrying electromagnetic
waves, and from a component (FB), with the
10 component (FB) being fitted to the upper face of
the substrate (S) and with one side wall of the
waveguide filter being formed by the structured
metallic layer (TM) on the substrate (S), and with
the other side walls of the waveguide filter being
15 formed by the component (FB), and the with the
waveguide filter having input and output points
for coupling the electromagnetic waves carried in
the lines (ML1, ML2) to the waveguide filter, and
vice versa, characterized in that the lines (ML1,
20 ML2) are metallic striplines.
2. The waveguide filter as claimed in claim 1,
characterized in that the component (FB) is a
surface mounted device.
- 25 3. The waveguide filter as claimed in claim 2,
characterized in that the component (FB) has a
circumferential web (ST) which rests on the
structured metallic layer (TM) on the upper face
of the substrate (S).
- 30 4. The waveguide filter as claimed in one of the
preceding claims, characterized in that the cross
section of the component (FB) is chosen in
accordance with the predeterminable filter
35 characteristics of the waveguide filter (HF).
5. The waveguide filter as claimed in one of the
preceding claims, characterized in that that side

Replacement Page 9

wall of the component (S) which is opposite the upper face of the substrate (S) has a structure (SK) which can be predetermined for the appropriate filter characteristics.

